

# INTERNATIONAL SEARCH REPORT

Inter: I Application No  
PCI/US2004/022299

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D223/16 A61K31/55 A61P25/22 A61P25/24 A61P25/30  
A61P3/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/074746 A1 (YAMANOUCHI PHARMACEUTICAL CO., LTD., JAPAN) 26 September 2002 (2002-09-26) cited in the application abstract	1-32
A	US 4 100 278 A (NEDELEC LUCIEN ET AL) 11 July 1978 (1978-07-11) column 4, lines 9-19; claim 1	1-32
Y	WO 93/00094 A (SMITHKLINE BEECHAM PLC) 7 January 1993 (1993-01-07) page 1, lines 21-25; claims 1,9-12	1-32
A	WO 03/045940 A (FU JIAN-MIN ; UPJOHN CO (US)) 5 June 2003 (2003-06-05) page 1, paragraph 2; claims 1,40-45	1-32
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

3 November 2004

Date of mailing of the international search report

10/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Schuemacher, A

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/022299

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 1 225 053 A (GEIGY AG) 17 March 1971 (1971-03-17)  column 1, lines 17-26	1, 2, 5-8, 17, 18, 24, 25, 29, 30
P, Y	WO 03/099792 A (WALKER GRAHAM ; GLAXO GROUP LTD (GB); PAYNE ANDREW H (GB); FORBES IAN) 4 December 2003 (2003-12-04) claims page 13, lines 31-44	1-32
P, Y	WO 03/086306 A (ARENA PHARMACEUTICALS INC ; SMITH BRIAN (US); SMITH JEFFREY (US)) 23 October 2003 (2003-10-23) claims 1, 2, 7, 28-32	1-32

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2004/022299

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 3-12 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/022299

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02074746	A1	26-09-2002	NONE	
US 4100278	A	11-07-1978	FR 2358151 A1 AT 356112 B AT 225277 A BE 853048 A1 CA 1081222 A1 DE 2714442 A1 DK 139677 A GB 1525351 A JP 52122385 A NL 7703504 A	10-02-1978 10-04-1980 15-09-1979 30-09-1977 08-07-1980 13-10-1977 01-10-1977 20-09-1978 14-10-1977 04-10-1977
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GB 1225053	A	17-03-1971	CH 498122 A AT 277257 B BE 719631 A DE 1795132 A1 DK 123526 B ES 357247 A1 FR 7915 M FR 1598948 A IL 30458 A NL 6811311 A	31-10-1970 29-12-1969 17-02-1969 05-01-1972 03-07-1972 01-03-1970 11-05-1970 15-07-1970 28-03-1972 12-08-1969
WO 03099792	A	04-12-2003	WO 03099792 A1	04-12-2003
WO 03086306	A	23-10-2003	US 2003225057 A1 EP 1411881 A2 WO 03086306 A2	04-12-2003 28-04-2004 23-10-2003